

ABSTRACT

5 A liquid organometallic compound vaporizing and
feeding system includes a container containing a liquid
organometallic compound MO, a vaporizer for vaporizing MO, a
liquid passageway connecting the container to the vaporizer
and having a liquid MO mass flow controller, a carrier gas
source, a carrier gas passageway connecting the source to the
10 vaporizer and having a carrier gas mass flow controller, a
sample gas passageway connecting the vaporizer to an ICP
emission spectrometer and having an in-line monitor, a
calibration standard gas cylinder, and a standard gas
passageway connecting the cylinder to the sample gas
15 passageway downstream of the in-line monitor and having a
standard gas mass flow controller.